

**To:** Williams, Mike[Mike.Williams@tetrattech.com]  
**From:** McCoy, Erin  
**Sent:** Wed 2/15/2017 2:57:48 PM  
**Subject:** RE: Des Moines TCE - Building Demo Costs

Mike, I'm still a bit confused. She is saying there would be offsite disposal, but this alternative is to evaluate onsite containment. The only thing that should be disposed of offsite for this remedy is the PCBs and the metals, which are included in other line items – correct? If we are going to keep the hazardous material on site, there is no reason not to keep the nonhazardous material as well, especially since there are not restrictions against it. Or are there?



Erin McCoy, P.G. | Remedial Project Manager

**EPA Region 7** | Superfund Division | Superfund Remediation Branch

11201 Renner Blvd | Lenexa, KS 66219

Phone: 913.551.7977

[mccoy.erin@epa.gov](mailto:mccoy.erin@epa.gov) | [www.epa.gov](http://www.epa.gov)

**From:** Williams, Mike [mailto:Mike.Williams@tetrattech.com]  
**Sent:** Tuesday, February 14, 2017 11:35 AM  
**To:** McCoy, Erin <McCoy.Erin@epa.gov>  
**Subject:** RE: Des Moines TCE - Building Demo Costs

Erin –

Here is Danielle's explanation on the disposal costs.

-Mike

-----  
Based on Metro Waste Authority's website (<http://www.mwatoday.com/locations/metro-park-east/rates-payments.aspx>):

- Disposal of construction and demolition = \$38/ton

We received the following quotes from Waste Management:

- Transportation = \$16.55/ton
- Load charge = \$4.75/ton

The total volume of the Production Building is approximately 1,712,352 cubic feet and the total volume of the Office Building is approximately 247,960 cubic feet prior to removing any metals or asbestos. These buildings make up approximately 73% of the total volume of buildings remaining on site. After removal of metals (480,893 cubic feet) and asbestos (12,853 cubic feet), the remaining volume of the Production and Office Buildings to be disposed of off-site is approximately 1,466,566 cubic feet (33,948 tons). This is slightly less than what I showed on items 24 and 25, which might be due to a rounding error; however, based on the rates found, plus their markups, and the total volume to be disposed off-site, the estimate to dispose of non-hazardous material off-site will be over \$2 million.

Thanks,

Danielle

Danielle Gibson | Environmental Engineer

Tetra Tech | Complex World, Clear Solutions™

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

**From:** McCoy, Erin [<mailto:McCoy.Erin@epa.gov>]  
**Sent:** Tuesday, February 14, 2017 6:38 AM  
**To:** Williams, Mike <[Mike.Williams@tetrattech.com](mailto:Mike.Williams@tetrattech.com)>  
**Subject:** RE: Des Moines TCE - Building Demo Costs

Mike, I'm checking into the funding. I was told it was processed yesterday, but I need more confirmation.

I did have one question on building alternative #3. Table A-11 shows approximately \$2 million on lines 24 & 25 for offsite disposal of non-haz waste. It looks like metals and PCB disposal are included in line items 12 and 14-16. What does this \$2 million cover? I want to make sure that it is not counting something twice since it's such a large number. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

**EPA Region 7** | Superfund Division | Superfund Remediation Branch

11201 Renner Blvd | Lenexa, KS 66219

Phone: 913.551.7977

[mccoy.erin@epa.gov](mailto:mccoy.erin@epa.gov) | [www.epa.gov](http://www.epa.gov)

**From:** Williams, Mike [<mailto:Mike.Williams@tetrattech.com>]  
**Sent:** Monday, February 13, 2017 5:37 PM  
**To:** McCoy, Erin <[McCoy.Erin@epa.gov](mailto:McCoy.Erin@epa.gov)>  
**Subject:** FW: Des Moines TCE - Building Demo Costs

Erin –

We made two slight adjustments to the Building demo costs.

1. We noticed an error in the cap repair costs due to the area calculated.
2. We added a drainage layer to Alternative 3.

Please find updated costs attached.

Thanks,

Mike

**Mike Williams** | Sr. Project Manager/Hydrogeologist

415 Oak Street | Kansas City, Missouri 64106 | [www.tetrattech.com](http://www.tetrattech.com)  
Direct: 816.412.1767 | Main: 816.412.1741 | Fax: 816.410.1748 | Mobile: 913.689.9367

[Mike.Williams@tetrattech.com](mailto:Mike.Williams@tetrattech.com)

Tetra Tech | **Complex World, Clear Solutions™**

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

**From:** Gibson, Danielle  
**Sent:** Monday, February 13, 2017 5:29 PM  
**To:** Williams, Mike <[Mike.Williams@tetrattech.com](mailto:Mike.Williams@tetrattech.com)>  
**Subject:** Des Moines TCE - Building Demo Costs

Updated Building Demo costs are attached.

**Danielle Gibson** | Environmental Engineer

415 Oak Street | Kansas City, Missouri 64106 | [www.tetratech.com](http://www.tetratech.com)  
Direct: 816.412.1768 | Main: 816.412.1741 | Fax: 816.410.1748

**Tetra Tech** | **Complex World, Clear Solutions™**

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.